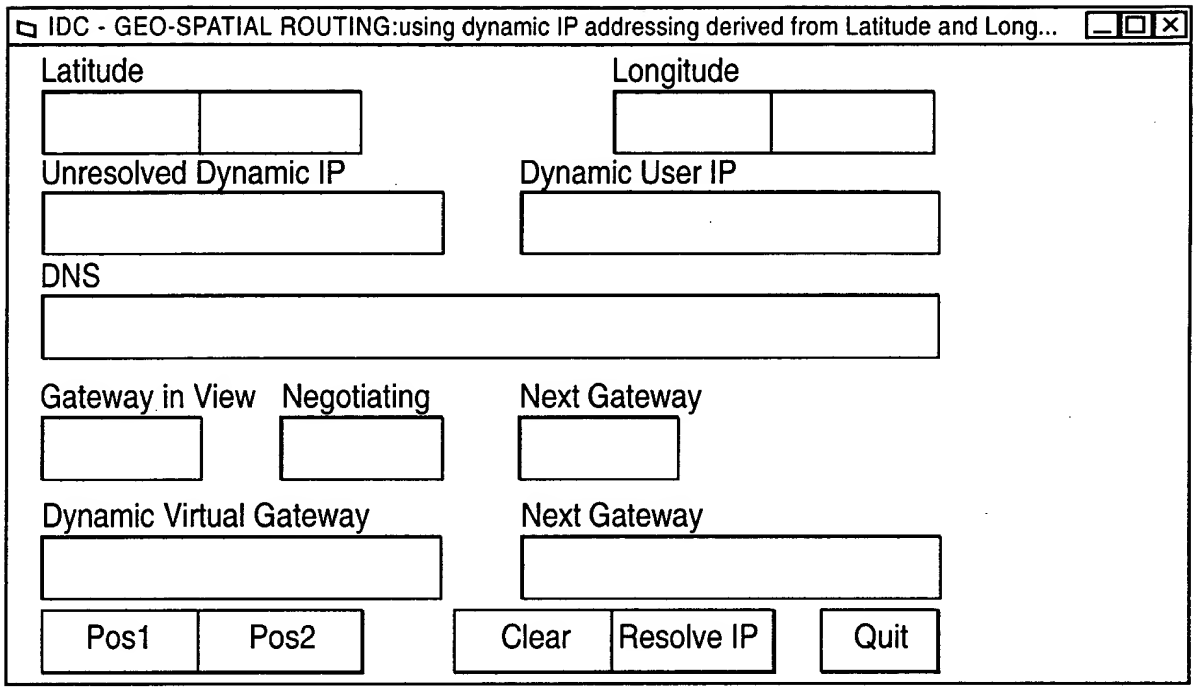
IDC - GEO-SPATIAL ROUTING:using dynamic IP addressing derived from Latitude and Long...
Latitude
Longitude
Unresolved Dynamic IP
Dynamic User IP
DNS
Gateway in View
Negotiating
Next Gateway
Dynamic Virtual Gateway
Next Gateway
Pos1
Pos2
Clear
Resolve IP
Quit

FIG. 1

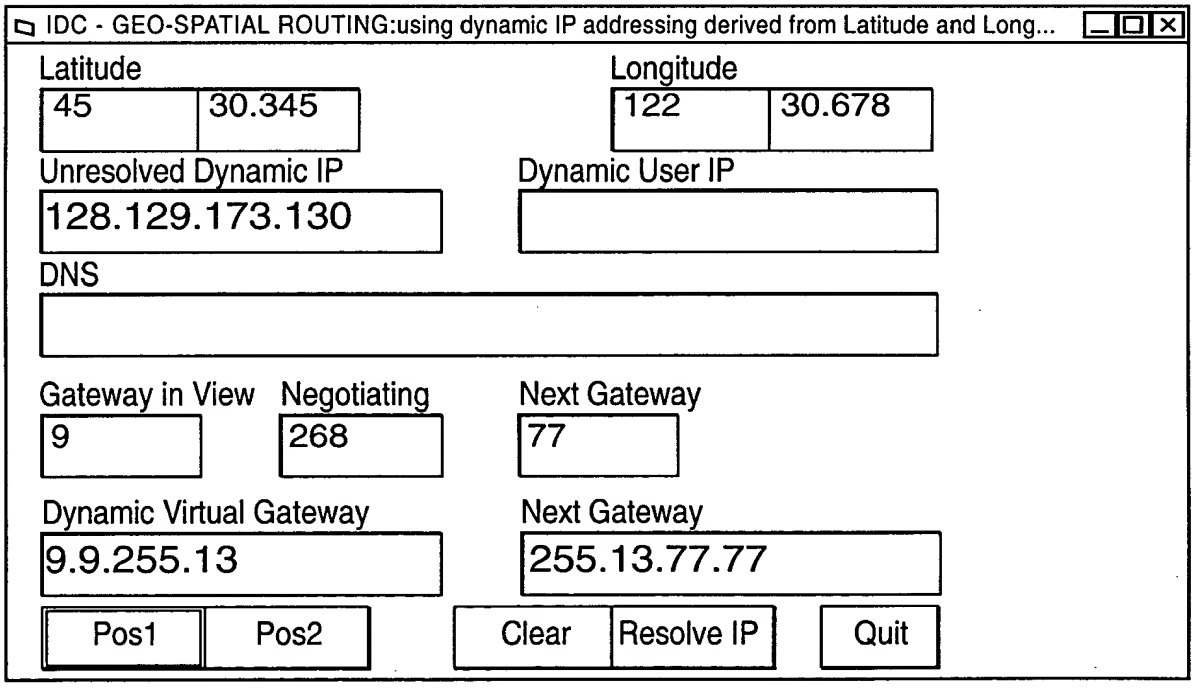
IDC - GEO-SPATIAL ROUTING:using dynamic IP addressing derived from Latitude and Long...
Latitude
45
30.345
Longitude
122
30.678
Unresolved Dynamic IP
128.129.173.130
Dynamic User IP
DNS
Gateway in View
9
Negotiating
268
Next Gateway
77
Dynamic Virtual Gateway
9.9.255.13
Next Gateway
255.13.77.77
Pos1
Pos2
Clear
Resolve IP
Quit

FIG. 2

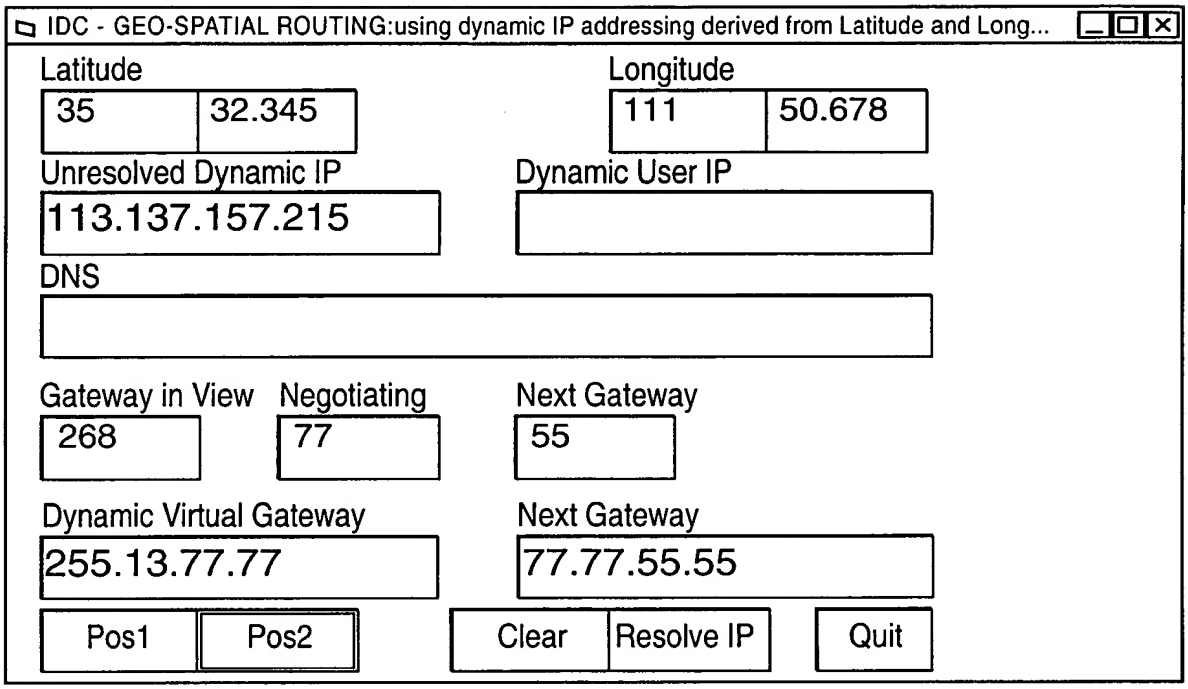
IDC - GEO-SPATIAL ROUTING:using dynamic IP addressing derived from Latitude and Long...
Latitude
35
32.345
Longitude
111
50.678
Unresolved Dynamic IP
113.137.157.215
Dynamic User IP
DNS
Gateway in View
268
Negotiating
77
Next Gateway
55
Dynamic Virtual Gateway
255.13.77.77
Next Gateway
77.77.55.55
Pos1
Pos2
Clear
Resolve IP
Quit

FIG. 3

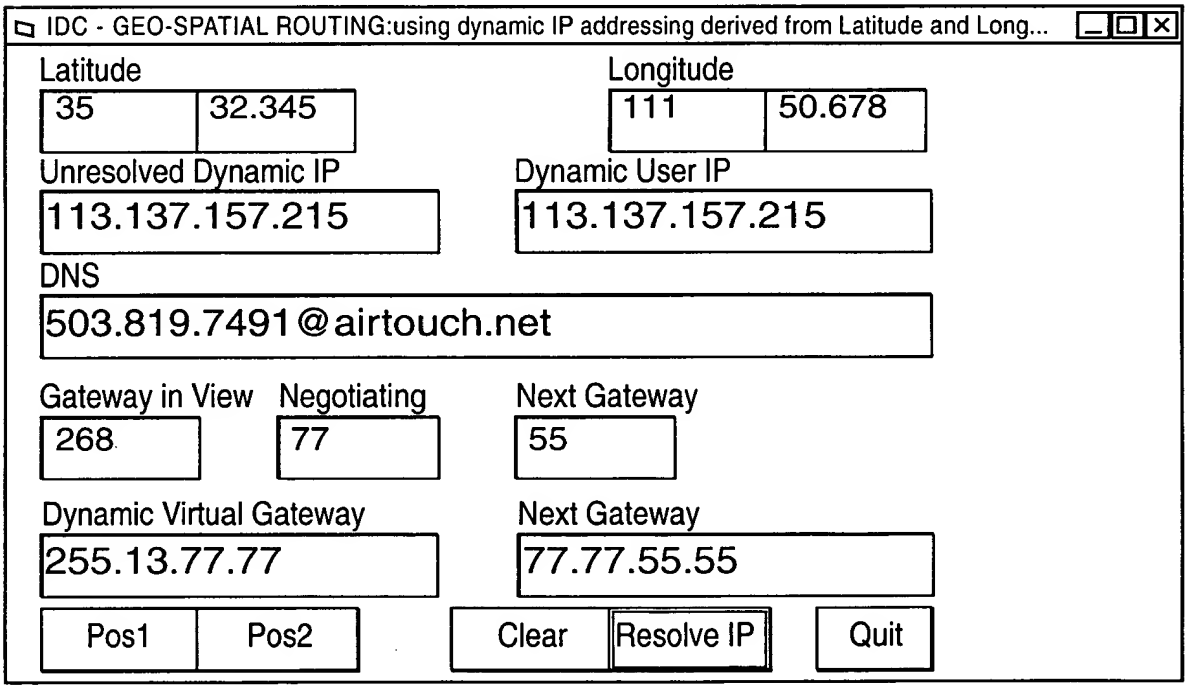
IDC - GEO-SPATIAL ROUTING:using dynamic IP addressing derived from Latitude and Long...
Latitude
35
32.345
Longitude
111
50.678
Unresolved Dynamic IP
113.137.157.215
Dynamic User IP
113.137.157.215
DNS
503.819.7491@airtouch.net
Gateway in View
268
Negotiating
77
Next Gateway
55
Dynamic Virtual Gateway
255.13.77.77
Next Gateway
77.77.55.55
Pos1
Pos2
Clear
Resolve IP
Quit

FIG. 4

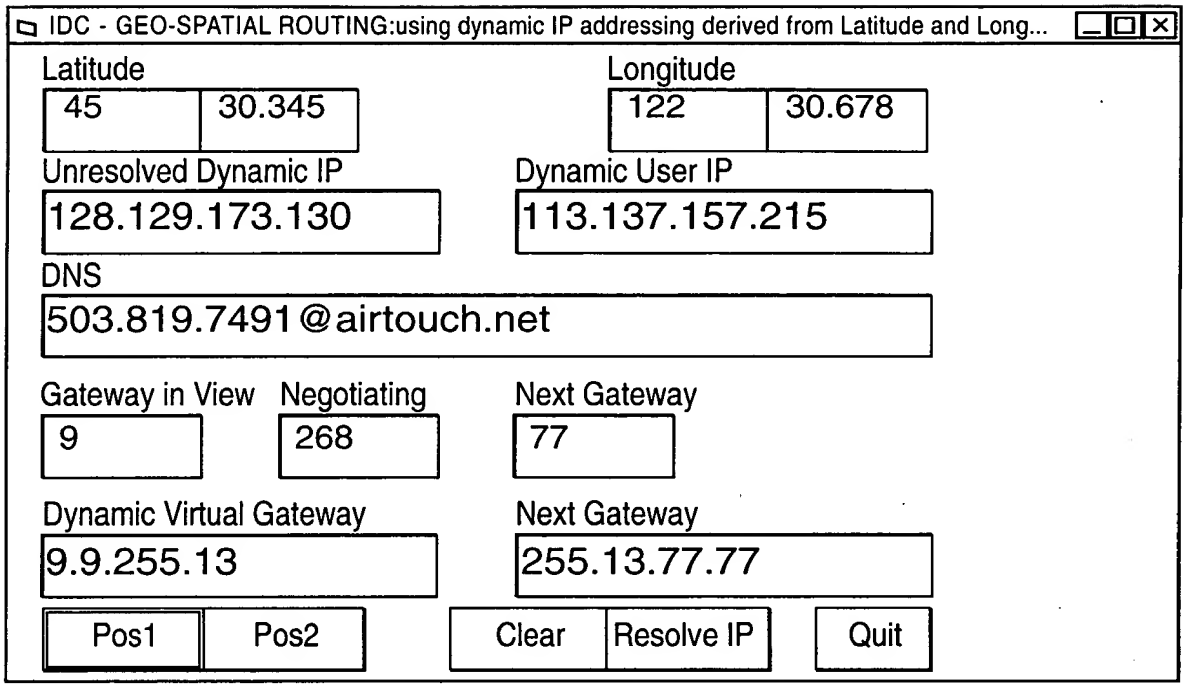
IDC - GEO-SPATIAL ROUTING:using dynamic IP addressing derived from Latitude and Long...
Latitude
45
30.345
Longitude
122
30.678
Unresolved Dynamic IP
128.129.173.130
Dynamic User IP
113.137.157.215
DNS
503.819.7491@airtouch.net
Gateway in View
9
Negotiating
268
Next Gateway
77
Dynamic Virtual Gateway
9.9.255.13
Next Gateway
255.13.77.77
Pos1
Pos2
Clear
Resolve IP
Quit

FIG. 5

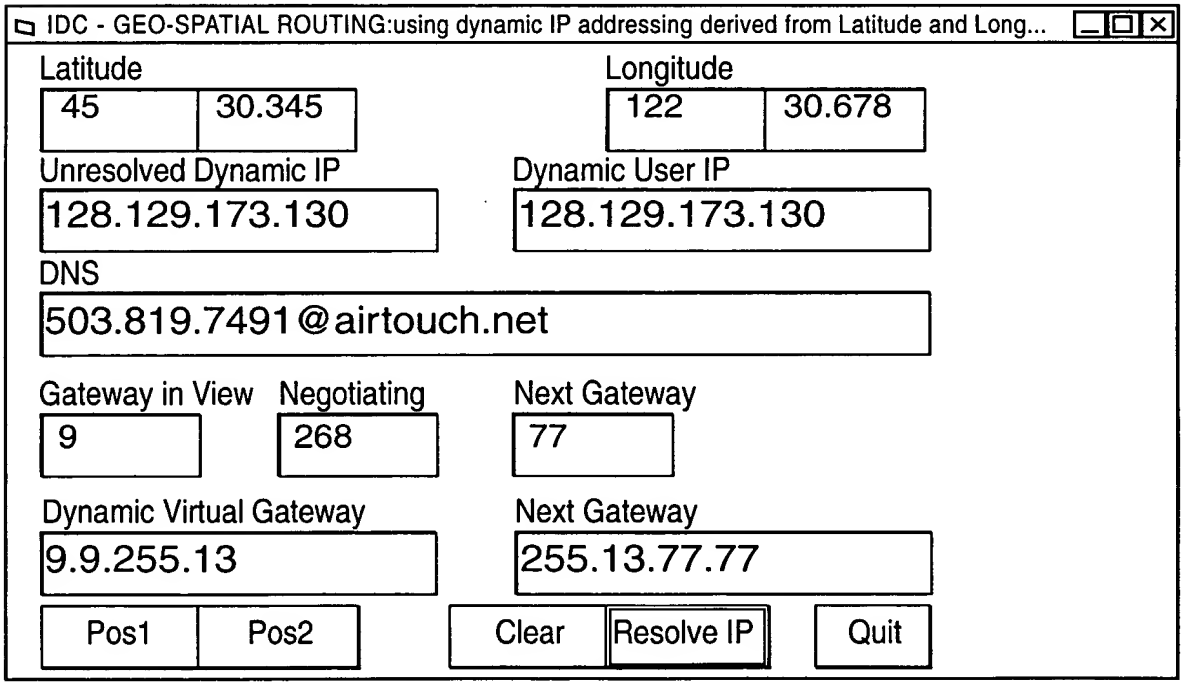
IDC - GEO-SPATIAL ROUTING:using dynamic IP addressing derived from Latitude and Long...
Latitude
45
30.345
Longitude
122
30.678
Unresolved Dynamic IP
128.129.173.130
Dynamic User IP
128.129.173.130
DNS
503.819.7491@airtouch.net
Gateway in View
9
Negotiating
268
Next Gateway
77
Dynamic Virtual Gateway
9.9.255.13
Next Gateway
255.13.77.77
Pos1
Pos2
Clear
Resolve IP
Quit

FIG. 6

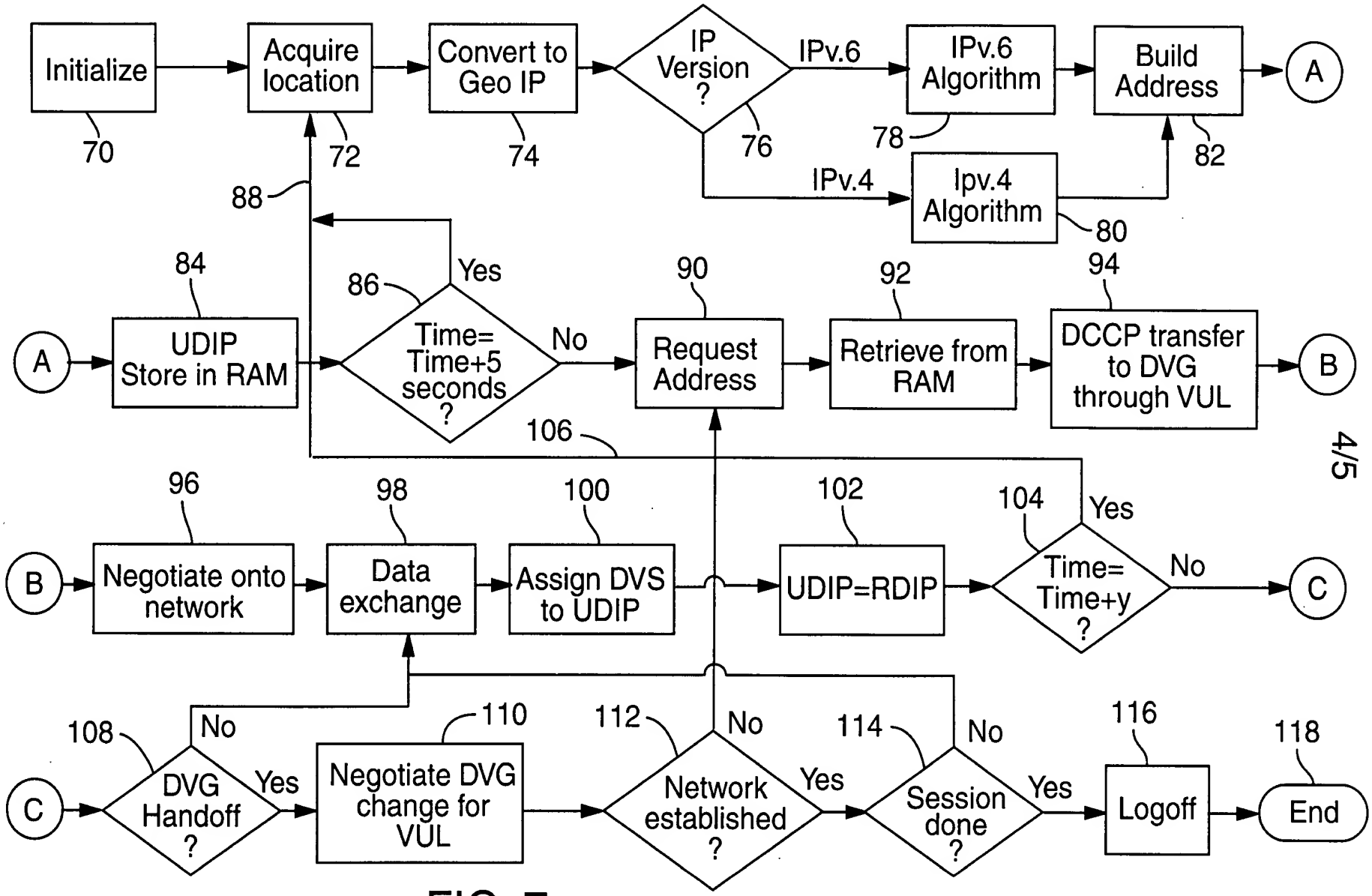
Initialize
Acquire location
Convert to Geo IP
IP Version ?
IPv.6
IPv.6 Algorithm
Build Address
A
70
72
74
76
78
82
IPv.4
Ipv.4 Algorithm
80
88
84
86
Yes
90
92
94
A
UDIP Store in RAM
Time= Time+5 seconds ?
No
Request Address
Retrieve from RAM
DCCP transfer to DVG through VUL
B
106
96
98
100
102
104
Yes
B
Negotiate onto network
Data exchange
Assign DVS to UDIP
UDIP=RDIP
Time= Time+y ?
No
C
108
No
110
112
No
114
No
116
118
C
DVG Handoff ?
Yes
Negotiate DVG change for VUL
Network established ?
Yes
Session done ?
Yes
Logoff
End

FIG. 7

FIG. 8A

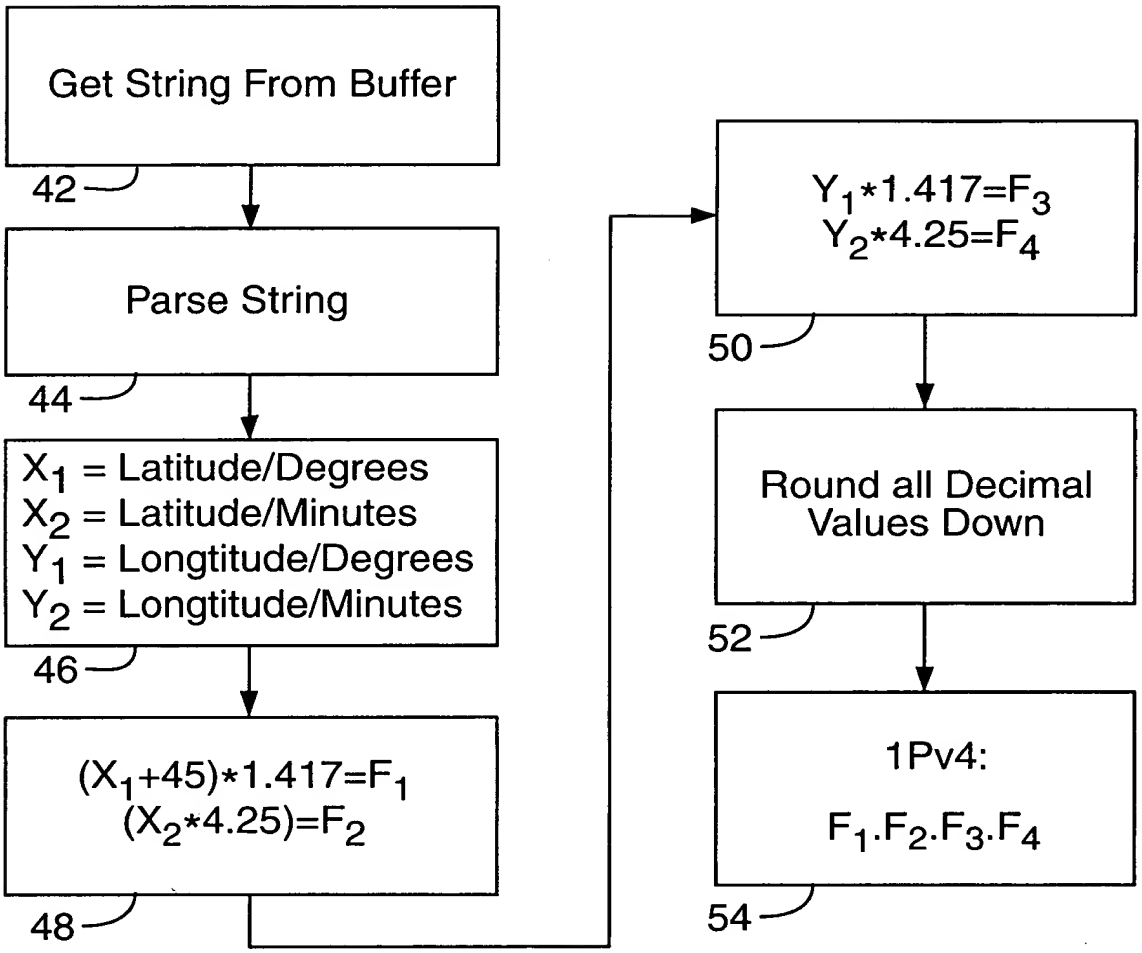

FIG. 8B

Example

30^o 25.135^1	120^o 31.351^1
$(30+45) * 1.417=F_1$	$(120 * 1.417)=F_3$
$(25.135 * 4.25)=F_2$	$(31.351 * 4.25)=F_4$
$F_1=106$	$F_3=170$
$F_2=106$	$F_4=133$
$F_1 . F_2 . F_3 . F_4$ 106.106.170.133	

56